MICHIGAN JUDGES' RETIREMENT SYSTEM

PENSION PLAN REVIEW

May 17, 2007



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- Mission, Goals, Objectives
- MJRS Membership
- Markets and Economics
- Rates of Return
- Investment Holdings
- Diversification



Bureau of Investments

Mission Statement



The Bureau of Investments provides quality investment management services, professional expertise, and advice to the State Treasurer as fiduciary of the State of Michigan Retirement Systems and Michigan boards and agencies. The Bureau strives to provide consistent and costeffective management of funds to achieve competitive investment returns that meet objectives within an acceptable level of risk for the benefit of employees, retirees, and citizens of the State of Michigan.



State of Michigan Retirement Systems Investment Goals

- Meet or exceed actuarial assumption over the long term.
- Maintain sufficient liquidity to pay benefits.
- Achieve optimal rate of return possible with prudent levels of risk.



State of Michigan Retirement Systems Investment Objectives

- Diversify assets to preserve capital and avoid large losses.
- Perform in the top half of the public plan universe over the long term.
- Exceed individual asset class benchmarks over the long term.
- Operate in a cost-effective manner relative to peers.



Member Information





Plan Membership

September 30, 2006

MEMBER TYPE	MJRS
Retirees & Benef. Receiving Benefits	553
One-Year Change	-19
Current Employees Vested	290
Current Employees Non-Vested	1
Active Members Total	291
One-Year Change	-11
Inactive Employees Entitled To, But	
Not Yet Receiving Benefits	16
Total MJRS Members	840
One-Year Change	-32

Source: Pension Plans Component Unit Financial Reports Fiscal Year Ended September 30, 2006



Plan Membership Ratio

September 30, 2006

Ratio of Active/Retiree	MJRS
Year 2006	.55:1
Year 2005	.59:1
Year 2004	.59:1
Year 2003	.61:1
Year 2002	.68:1

MJRS is a closed system so that new employees are members in a defined contribution plan.

Source: Pension Plans Component Unit Financial Reports Fiscal Year Ended September 30, 2006



Funded Ratio

September 30, 2006

Year	Market Value of Assets*	Actuarial Value of Assets*	Actuarial Accrued Liability*	Funded Ratio Based on Actuarial Value**
2006	\$303	\$283	\$244	116.0%
2005	\$284	\$278	\$243	114.4%
2004	\$268	\$287	\$236	121.6%
2003	\$255	\$292	\$235	124.3%
2002	\$235	\$292	\$229	127.5%
1980	\$ 37	\$ 37	\$ 57	64.9%

^{*(\$} in Millions)

Source: Pension Plans Component Unit Financial Reports and Actuarial Valuations

^{**}Funded Ratio Based on Actuarial Value of Assets Reflecting Five-Year Smoothing.



Markets and Economics





Stock Market Environment

	2006 Price	
Market	Change	12/31/06
DJIA	+16.3%	12,463
S&P 500	+13.6%	1,418
NASDAQ	+9.5%	2,415
BMI-EPAC (Local)	+13.6%	250.8
BMI-EPAC (USD)	+23.2%	292.5



First Quarter Stock Market Update

Market	1 st Qtr. 07 Price Change	3/31/07
DJIA	-0.87%	12,354
S&P 500	+0.18%	1,421
NASDAQ	+0.26%	2,422
BMI-EPAC (Local)	+3.17%	258.8
BMI-EPAC (USD)	+3.86%	303.8



Bond Market Environment

	2006 Yield	
Market	Change	12/31/06
30-Year Treasury	+27 bp	4.81%
10-Year Treasury	+31 bp	4.70%
5-Year Treasury	+34 bp	4.69%
2-Year Treasury	+41 bp	4.81%
13-Week T. Bill	+106 bp	5.05%
Fed Funds	+100 bp	5.25%



First Quarter Bond Market Update

	1 st Qtr. 07	
Market	Yield Change	3/31/07
30-Year Treasury	+3 bp	4.84%
10-Year Treasury	-6 bp	4.64%
5-Year Treasury	-16 bp	4.53%
2-Year Treasury	-24 bp	4.57%
13-Week T. Bill	-2 bp	5.03%
Fed Funds	0 bp	5.25%

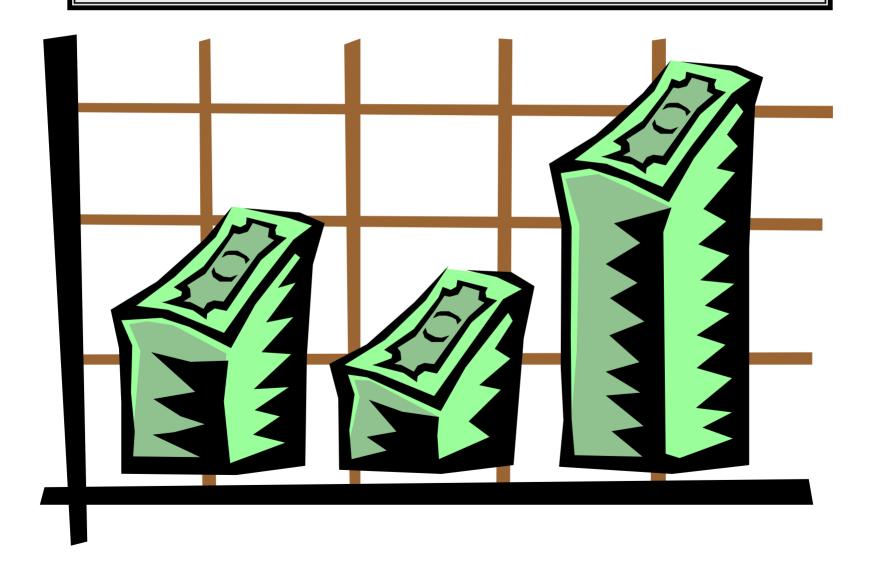


Economic Environment

- GDP averaged 3.4 percent in 2006.
 Slower start for 2007.
- Inflation (CPI) of 3.2 percent.
- Employment grew unemployment low.
- Corporate earnings & balance sheets remained strong.
- Federal Reserve on hold.
- Significant merger & acquisition activity.
- \$60 per barrel oil.
- Deflating housing market.



Return On Investments





Time-Weighted Rates of Return

Asset Class	FY0	6	CY06			
w/Benchmark	Rate	Rank	Rate	Rank		
Total Plan	12.5%	13	14.8%	38		
Median*	10.5%		14.3%			
Domestic Equities	10.8%		15.2%			
S&P 1500 Index	10.3%		15.3%			
International Equities	18.1%		21.2%			
S&P/CitiGroup BMI-EPAC**	18.5%		21.0%			
Private Equity	26.3%		22.3%			
S&P 500 + 300 b.p.	13.9%		18.9%			

**(1/2 USD & 1/2 LC)

Source: State Street Analytics

^{*}State Street Universe of Public Funds > \$1 Billion



Time-Weighted Rates of Return

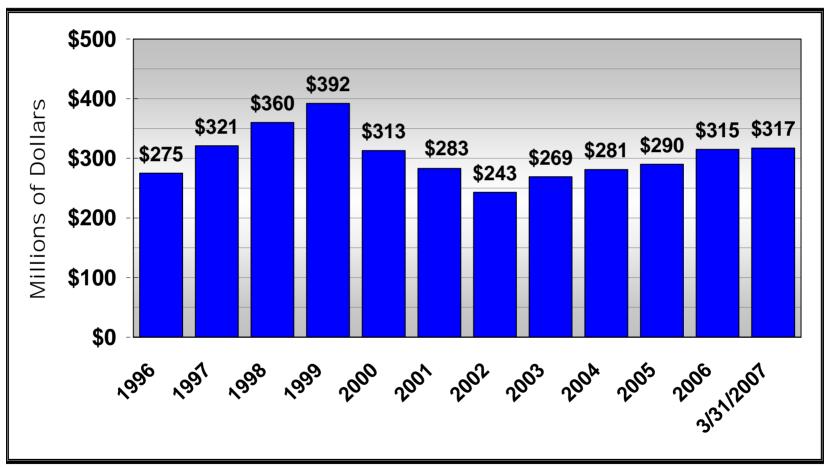
Asset Class	FY06	CY06
w/Benchmark	Rate Rank	Rate Rank
Real Estate	18.9%	18.3%
NCREIF (NPI minus 75 b.p.)	16.3%	15.3%
Bonds	4.0%	4.7%
Lehman Gov't/Credit	3.3%	3.8%
Cash Equivalents	4.7%	4.9%
30 Day T-Bill	4.4%	4.8%

Fiscal Year – 10-Year Annualized Return Rate: 8.7% - Rank: 48

Source: State Street Analytics



Market Value \$317 Million





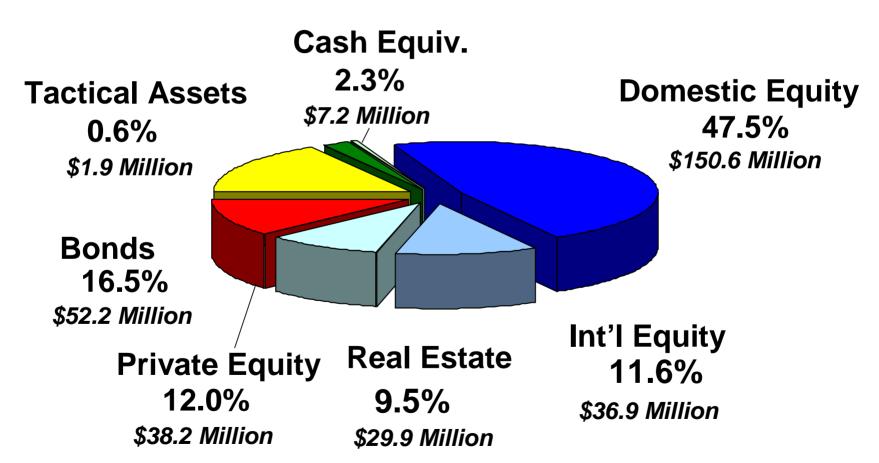
Investment Holdings





Asset Allocation

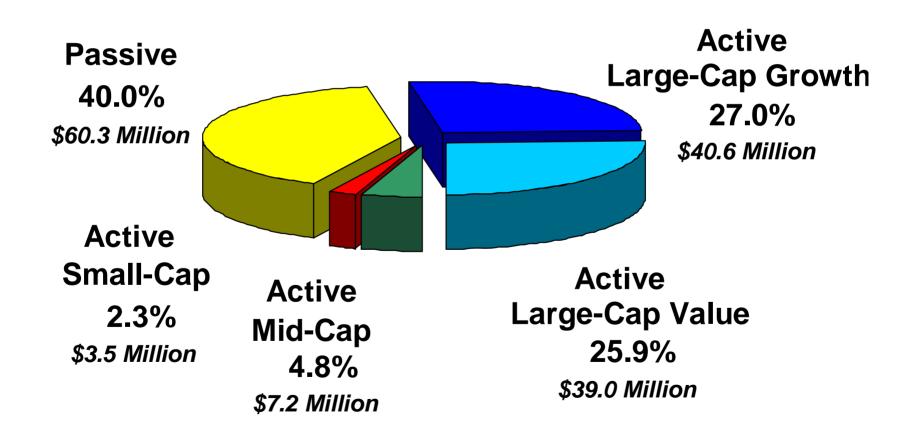
\$316.9 Million





Domestic Equity

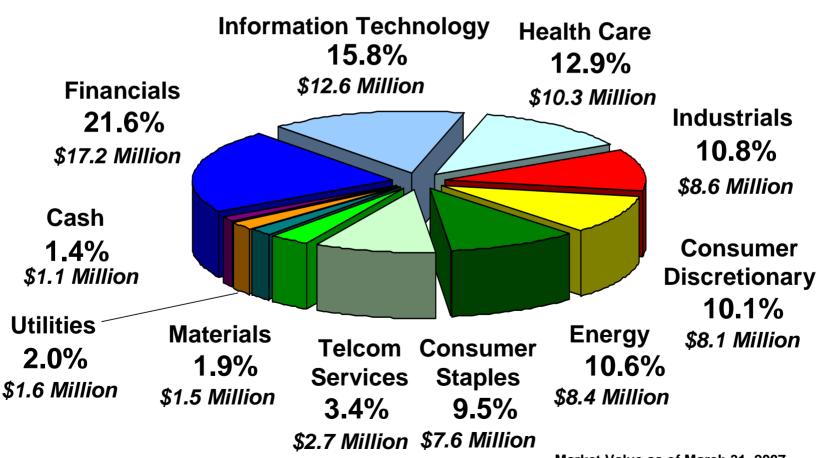
\$150.6 Million





Domestic Active Equity Large-Cap Investments

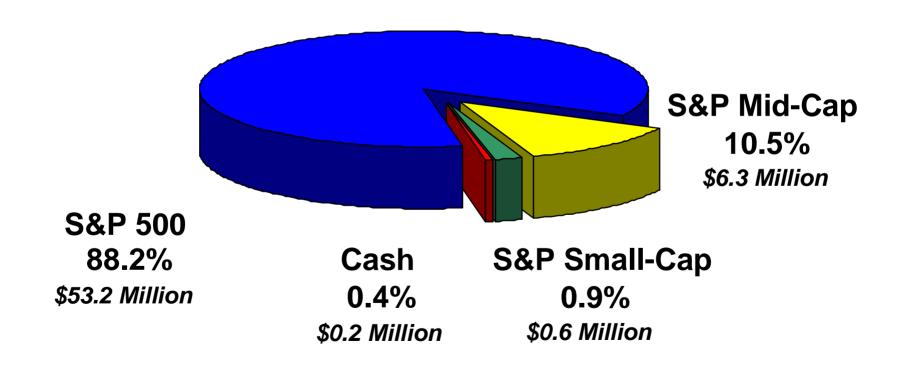
\$79.7 Million





Domestic Passive Equity

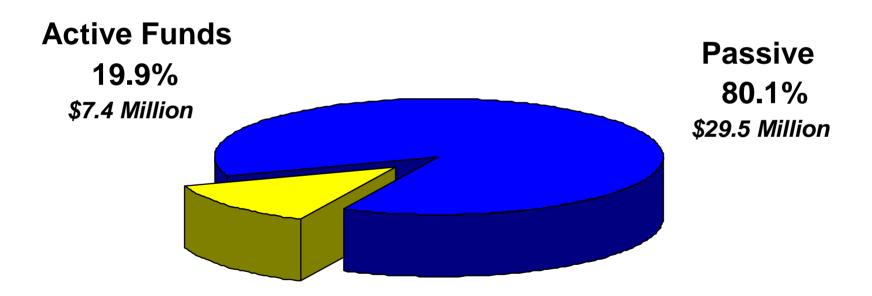
\$60.3 Million





International Equity

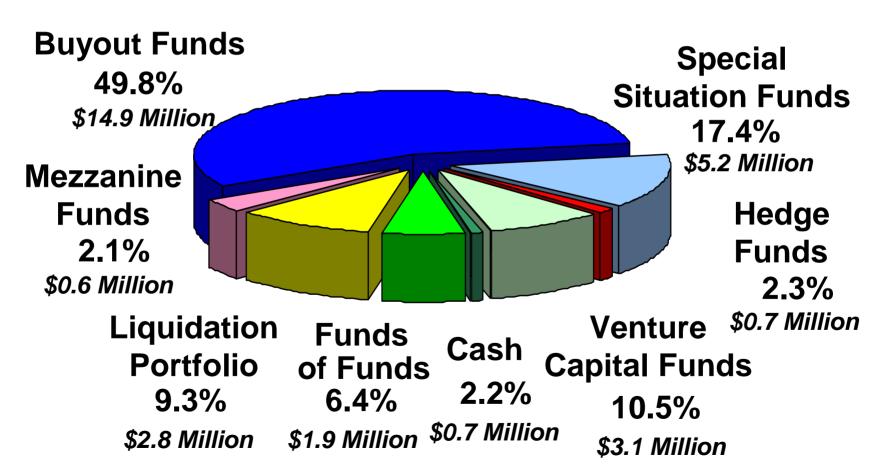
\$36.9 Million





Private Equity

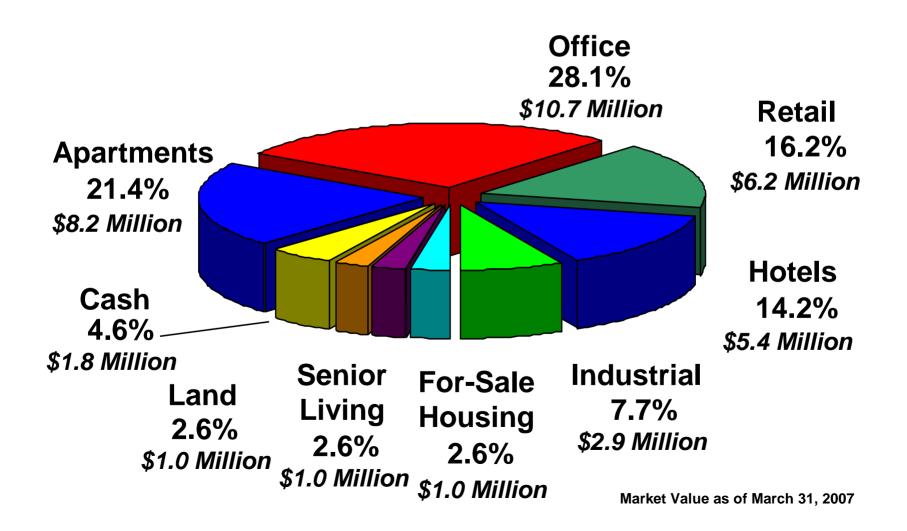
\$29.9 Million

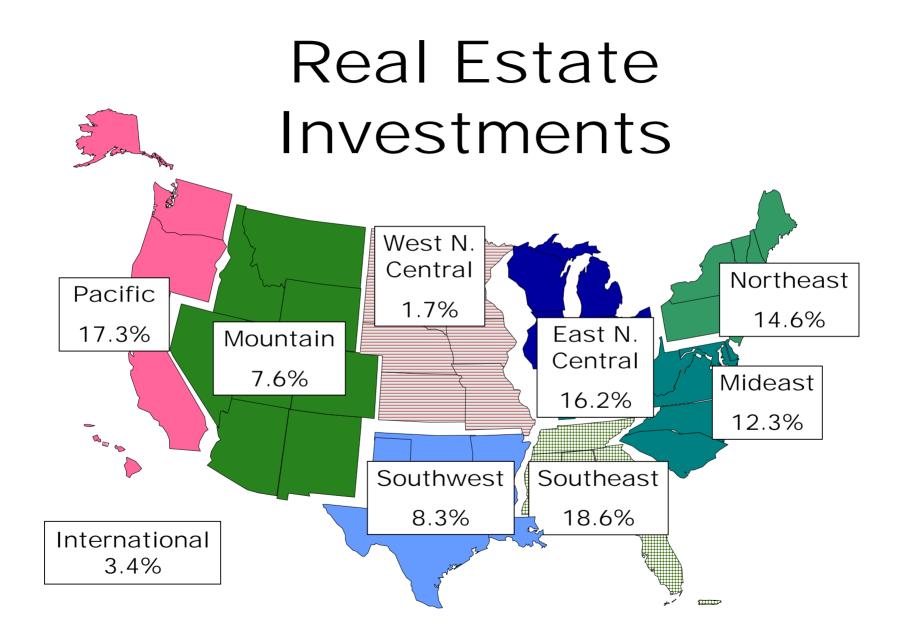




Real Estate

\$38.2 Million

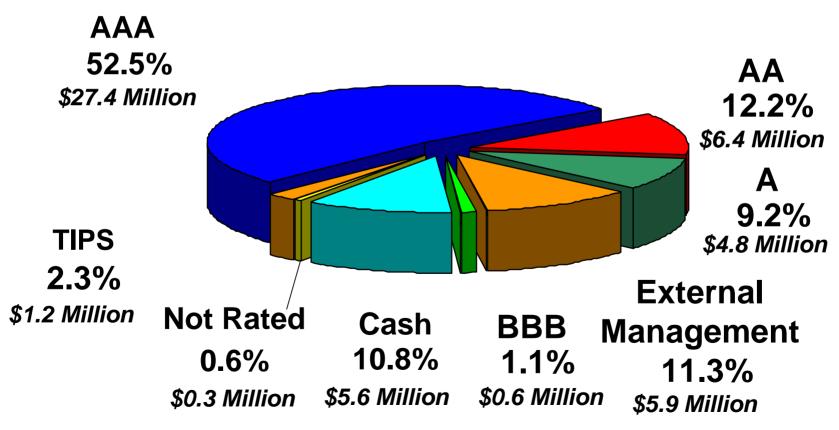






Government and Corporate Bonds

\$52.2 Million





Benefits of Diversification





Annual Total Returns of Key Asset Classes 1987 - 2006

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	
Best	Foreign Stocks	Small Value	Large Growth	U.S. Bonds	Small Growth	Small Value	Foreign Stocks	Foreign Stocks	Large Growth	Large Growth	Large Growth	Large Growth	Small Growth	Small Value	Small Value	U.S. Bonds	Small Growth	Small Value	Foreign Stocks	Foreign Stocks	Best
	24.64%	Stocks 29.47%	Stocks 36.40%	8.96%	Stocks 51.18%	Stocks 29.15%	32.57%	7.78%	Stocks 38.13%	Stocks 23.97%	Stocks 36.52%	Stocks 42.16%	Stocks 43.09%	Stocks 22.83%	Stocks 14.02%	10.26%	Stocks 48.54%	Stocks 22.25%	13.54%	26.34%	
↑	Large	Foreign	Large	Cash	Small	Small	Small	Cash	Large	Large	Large	Large	Large	U.S.	U.S.	Cash	Small	Foreign	Large	Small	†
	Growth Stocks	Stocks	Stocks		Stocks	Stocks	Value Stocks		Stocks	Stocks	Stocks	Stocks	Growth Stocks	Bonds	Bonds		Stocks	Stocks	Value Stocks	Value Stocks	
	6.50%	28.26%	31.69%	7.81%	46.05%	18.42%	23.86%	3.90%	37.58%	22.96%	33.36%	28.58%	28.25%	11.63%	8.44%	1.65%	47.25%	20.25%	6.33%	23.48%	
	Cash	Small	Large	Large	Small	Large	Small	Large	Large	Large	Small	Foreign	Foreign	Large	Cash	Small	Small	Small	Large	Large	
		Stocks	Value Stocks	Growth Stocks	Value Stocks	Value Stocks	Stocks	Growth Stocks	Value Stocks	Value Stocks	Value Stocks	Stocks	Stocks	Value Stocks		Value Stocks	Value Stocks	Stocks	Stocks	Value Stocks	
	5.47%	24.89%	26.13%	0.20%	41.70%	10.52%	18.89%	3.14%	36.99%	22.00%	31.78%	20.00%	26.96%	6.08%	3.83%	-11.42%	46.03%	18.33%	4.91%	20.80%	
	Large Stocks	Large Value	Small Growth	Large Stocks	Large Growth	Small Growth	Large Value	Large Stocks	Small Growth	Small Value	Large Value	Large Value	Small Stocks	Cash	Small Stocks	Foreign Stocks	Foreign Stocks	Large Value	Small Value	Small Stocks	
	5.25%	Stocks 21.67%	Stocks 20.16%	-3.11%	Stocks 38.37%	Stocks 7.77%	Stocks 18.61%	1.32%	Stocks 31.04%	Stocks 21.37%	Stocks 29.98%	Stocks 14.69%	21.26%	5.89%	2.49%	-15.66%	38.59%	Stocks 15.71%	Stocks 4.71%	18.37%	
	Large	Small	Small	Large	Large	Large	Small	Large	Small	Small	Small	U.S.	Large	Small	Small	Large	Large	Small	Small	Large	
	Value	Growth	Stocks	Value	Stocks	Stocks	Growth	Value	Stocks	Stocks	Stocks	Bonds	Stocks	Stocks	Growth	Value	Value	Growth	Stocks	Stocks	
	Stocks 3.68%	Stocks 20.38%	16.25%	Stocks -6.85%	30.47%	7.62%	Stocks 13.37%	Stocks -0.64%	28.44%	16.53%	22.36%	8.70%	21.04%	-3.02%	Stocks -9.23%	Stocks -19.99%	Stocks 31.78%	Stocks 14.31%	4.55%	15.80%	
	U.S.	Large	U.S.	Small	Large	U.S.	Large	Small	Small	Small	Small	Cash	Large	Large	Large	Small	Large	Large	Small	Small	
	Bonds	Stocks	Bonds	Growth Stocks	Value Stocks	Bonds	Stocks	Value Stocks	Value Stocks	Growth Stocks	Growth Stocks		Value Stocks	Stocks	Value Stocks	Stocks	Stocks	Stocks	Growth Stocks	Growth Stocks	
	2.75%	16.61%	14.53%	-17.42%	22.56%	7.40%	10.08%	-1.55%	25.75%	11.32%	12.93%	4.86%	12.72%	-9.11%	-11.69%	-20.48%	28.68%	10.88%	4.15%	13.35%	
	Small Value	Large Growth	Small Value	Small Stocks	U.S. Bonds	Large Growth	U.S. Bonds	Small Stocks	U.S. Bonds	Foreign Stocks	U.S. Bonds	Small Growth	Cash	Foreign Stocks	Large Stocks	Large Stocks	Large Growth	Large Growth	Large Growth	Large Growth	
	Stocks -7.12%	Stocks 11.95%	Stocks 12.43%	-19.50%	16.00%	Stocks 5.06%	9.75%	-1.81%	18.46%	6.05%	9.64%	Stocks 1.23%	4.68%	-13.96%	-11.87%	-21.26%	Stocks 25.66%	Stocks 6.13%	Stocks 3.46%	Stocks 11.01%	
	Small	U.S.	Foreign	Small	Foreign	Cash	Cash	Small	Foreign	Cash	Cash	Small	U.S.	Large	Large	Large	U.S.	U.S.	Cash	Cash	
	Stocks	Bonds	Stocks	Value	Stocks			Growth	Stocks			Stocks	Bonds	Growth	Growth	Growth	Bonds	Bonds			
\ \	-8.76%	7.89%	10.53%	Stocks -21.77%	12.14%	3.51%	2.90%	Stocks -2.44%	11.21%	5.21%	5.26%	-2.55%	-0.82%	Stocks -22.08%	Stocks -12.75%	Stocks -22.77%	4.10%	4.34%	2.98%	4.75%	+
	Small	Cash	Cash	Foreign	Cash	Foreign	Large	U.S.	Cash	U.S.	Foreign	Small	Small	Small	Foreign	Small	Cash	Cash	U.S.	U.S.	Worst
Worst	Growth Stocks			Stocks		Stocks	Growth Stocks	Bonds		Bonds	Stocks	Value Stocks	Value Stocks	Growth Stocks	Stocks	Growth Stocks			Bonds	Bonds	
	-10.48%	6.35%	8.37%	-23.45%	5.60%	-12.18%	1.68%	-2.92%	5.60%	3.64%	1.78%	-6.46%	-1.48%	-22.43%	-21.45%	-30.26%	1.02%	1.20%	2.43%	4.33%	

Source: Standard & Poor's Micropal. Large Stocks are represented by the S&P 500; Large Growth Stocks are represented by S&P 500 Growth Index; Large Value Stocks are represented by the S&P 500 Value Index; Small Stocks are represented by the Russell 2000 Index; Small Growth Stocks are represented by the Russell 2000 Growth Index; Small Value Stocks are represented by the Russell 2000 Value Index; Foreign Stocks are represented by the MSCI EAFE Index; U.S. Bonds are represented by the Lehman Brothers Aggregate Bond Index; and T-Bills.



Disclaimer



This presentation was given solely for the purpose of explaining the structure and investment process for the State of Michigan Retirement Systems. It should not be interpreted in any way as financial advice.